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Appendix A: Database Dictionary

1. Table Dictionary

1.1 Address

This table contains all of the address information for registrars and their associated contacts. An address can be associated with more than one contact. Both contacts and registrars can only be associated with one address.

1.2 AddressAudit

This table is the audit history for any modifications made to the Address table. This table will contain the after image resulting from any transaction on the Address table.

1.3 AuthoritativeTLD

This table lists all of the top-level domains the registry is authoritative for. There should be no domains in the Domain table that do not belong to one of the TLDs in this table.

1.4 BusinessTarget

This table contains all of the business targets for the registry. A business target is an action that can be performed by a registry user.

1.5 BusinessRule

This table contains all of the business rules for the registry. Business rules are used to define a business target. Multiple rules can be assigned to a target and multiple targets can be assigned to a rule. A business rule can be a database, Boolean, or modifier rule. Database rules require access to the underlying RDBMS and perform validation of an object the target is being performed on. Boolean rules perform validation of an object the target is being performed on. Modifier rules modify attributes of the object the target is being performed on. The classname column maps to the Business Rule Engine (BRE) class that will execute the rule on behalf of a target.

1.6 Configuration

This table will be used by the configuration package to store configuration parameters for the registry system.

This table will contain all of the two and three character country codes and their associated names.

1.8 Channel

This table will be used as a lookup table to identify the channel a particular user enters into the registry system from.

1.9 Domain

This table contains all of the domain names that belong to the top-level domains (TLD) the registry is authoritative for. The DomainName column will be unique in this table.

1.10 DomainAudit

This table is the audit history for any modifications made to the Domain table. This table will contain the after image resulting from any transaction on the Domain table.

1.11 DomainNameServerLink

This table is the link between a domain and the name servers that provide name service for the domain. A domain can be associated with up to thirteen name servers. The sequence column is used to determine the order in which the name servers should be listed in the zone file (e.g. primary = 1, secondary = 2, tertiary = 3 etc.).

1.12 DomainNameServerLinkAudit

This table is the audit history for any modifications made to the DomainNameServerLink table. This table will contain the after image resulting from any transaction on the DomainNameServerLink table.

1.13 DomainStatusDescription

This table contains the description of all allowable domain statuses. It also determines whether the domains in a particular status are inserted into the DNS zone files.

1.14 DomainStatusUserTypeLink

This table determines whether a specific user type can modify the domains in a given status. In addition, it determines what user types can set domains to what statuses.

1.16 Invoice

This table contains the summary information of a registrar's chargeable activities for a specific period of time. The registrar should have only one open invoice at any given time that can be used to apply chargeable activities to.

1.17 InvoiceLineItem

This table contains the detail information of a registrar's chargeable activities that occurred during a specific period of time. Invoice line items will be created in real time as chargeable transactions occur. These transactions will be applied to the registrar's open invoice.

1.18 InvoiceStatusDescription

This table will be used as a lookup table to describe what the status of an invoice is.

1.19 IPAddress

This table is used to hold the IP address for name servers. Name servers can have many IP addresses and IP addresses can be associated with many name servers. The IPAddress column will be unique in this table.

1.20 IPAddressAudit

This table is the audit history for any modifications made to the IPAddress table. This table will contain the after image resulting from any transaction on the IPAddress table.

1.21 NameServer

This table is used to hold all of the name servers that provide name service for the domains in the Domain table. If the name server is in a TLD that the registry is authoritative for then the name server requires at least one IP address and the name server's parent domain must exist in the domain table.

1.22 NameServerAudit

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This table is the audit history for any modifications made to the NameServer table. This table will contain the after image resulting from any transaction on the NameServer table.

1.23 NameServerIPAdderssLink

This table is what links name servers to IP addresses. The sequence represents the order in which the IP address for a name server is listed within the DNS zone file.

1.24 NameServerIPAddressLinkAudit

This table is the audit history for any modifications made to the NameServerIPAddressLink table. This table will contain the after image resulting from any transaction on the NameServerIPAddressLink table.

1.25 Operation

This table contains the operations that can be performed within the registry.

1.26 Period

This table contains the default period associated with a specific parameter.

1.27 Privilege

This table is used to determine whether a specific user with a specific status entering through a specific channel can perform an operation.

1.28 Product

This table is used to list operations that have a cost associated with them.

1.29 ProductPrice

This table is used to list the prices for products. The start date specifies when a price is effective.

1.30 Registrar

This table contains information that is unique to each registrar. In addition, it contains the latest invoice id for the registrar. The latest invoice id points to the one open invoice that is used to apply transactions to for that registrar. It also contains credit information about the registrar.

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1.39 RegistrarWhoisReference

This table contains the whois reference information for registrars. There are two types of references. The registrar can have a URL that points to their whois service or a host name that is running the whois service. The URL column identifies the reference as either a URL or a host name.

1.40 RegistrarWhoisReferenceAudit

This table is the audit history for any modifications made to the RegistrarWhoisReference table. This table will contain the after image resulting from any transaction on the RegistrarWhoisReference table.

1.41 RegistrarYTDOperationSummary

This is a year to date summary of the operations performed by registrars. There will be one row for each type of operation the registrar has performed.

1.42 RegistrySession

This table contains the session information for all registrars and registry users. This table identifies the user, when they logged in and the channel they logged in from. The session id also links to every transaction that was performed in a particular session.

1.43 RegistryUser

This table contains internal registry user information.

1.44 RegistryUserStatusDescription

This table describes the statuses that a registry user can be in.

1.45 TargetRuleLink

This table links business rules to the business targets that describe them. It also sets the sequence in which a rule will be performed on a target. The start and end dates give the effective range of when a rule applies or applied to a specific target.

1.46 Transaction

This table links all of the audit history tables to an operation, session and the registrar that was affected by the transaction.

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1.47 UserType

This table describes the types of users in the registry to include registrars.

2. Data Dictionary

2.1 Address

Field	Type	Key	Description
AddressId	Number(9)	primary key	This is a system-generated key for all address records.
AddressLine1	Varchar2(45)		This is the first address line for the address.
AddressLine2	Varchar2(45)		This is the second address line for the address.
AddressLine3	Varchar2(45)		This is the third address line for the address.
City	Varchar2(30)		This is the city of the address.
StateProvince	Varchar2(30)		This is the state or province of the address.
PostalCode	Number(9)		This is the postal code of the address.
CountryCode	Char(2)	foreign key relationship	This is the two-digit country code of the address.
CreatedDate	Date		This is the date and time the address record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the address record.
UpdatedDate	Date		This is the date and time the address record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the address record.

2.2 AddressAudit

Field	Type	Key	Description
TransactionId	Number(12)	primary key	This is the id of the transaction that resulted in the audit record being inserted.
AddressId	Number(9)	primary key	This is the id of the original address record from the Address table.
AddressLine1	Varchar2(45)		This is the first address line for the address.

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Field	Type	Key	Description
AddressLine2	Varchar2(45)		This is the second address line for the address.
AddressLine3	Varchar2(45)		This is the third address line for the address.
City	Varchar2(30)		This is the city of the address.
StateProvince	Varchar2(30)		This is the state or province of the address.
PostalCode	Number(9)		This is the postal code of the address.
CountryCode	Char(2)	foreign key relationship	This is the two-digit country code of the address.
CreatedDate	Date		This is the date and time the address record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user that created the address record.
UpdatedDate	Date		This is the date and time the address record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user that last updated the address record.

2.3 AuthoritativeTLD

Field	Type	Key	Description
TLDName	Varchar2(18)	primary key	This is the fully-qualified top-level domain name for which the registry is authoritative.

2.4 BusinessTarget

Field	Type	Key	Description
TargetId	Number(9)	primary key	This is the system-generated key for all target records.
TargetName	Varchar2(30)	unique	This is the name that identifies the target record for retrieval by the Business Rule Engine.
Description	Varchar2(512)		This is the description of the target. It describes what actions the target will perform.
TargetType	Varchar2(10)		This is the type of target.
CreatedDate	Date		This is the date and time the target record was created.

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Field	Type	Key	Description
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the target record.
UpdatedDate	Date		This is the date and time the target record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the target record.

2.5 BusinessRule

Field	Type	Key	Description
RuleId	Number(9)	primary key	This is the system-generated key for all business rule records.
RuleName	Varchar2(30)	unique	This is the name of the rule that is used for retrieval by the Business Rule Engine.
Description	Varchar2(512)		This is the description of the business rule. It describes what verifications or modifications will be performed by this rule.
ClassName	Varchar2(80)	unique	This is the name of the class that will be used to perform the business rule.
RuleType	Varchar(8)		The rule can be one of three types: 'BOOLEAN', 'MODIFIER', or 'DATABASE'. A Boolean rule performs a verification of some attribute on some object. A Modifier rule modifies some attribute of an object. A Database rule performs a verification of some attribute on some object that requires database access.
CreatedDate	Date		This is the date and time the rule record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the rule record.
UpdatedDate	Date		This is the date and time the rule record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the rule record.

2.6 Configuration

Field	Type	Key	Description
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Field	Type	Key	Description
ConfigSetName	Varchar2(40)	primary key	This is the configuration set name the to which the parameter belongs.
Parameter	Varchar2(128)	primary key	This is the configurable parameter. It will be unique within the configuration set.
ParameterValue	Varchar2(512)		This is the value of the configurable parameter.

2.7 Country

Field	Type	Key	Description
CountryCode	Char(2)	primary key	This is the two-digit country code for the country record.
CountryCode3	Char(3)	unique	This is the three-digit country code of the country record.
CountryName	Varchar2(48)	unique	This is the name of the country.

2.8 Channel

Field	Type	Key	Description
ChannelId	Number(9)	primary key	This is the system-generated key for all channel records.
ChannelName	Varchar2(20)	unique	This is the name of the channel.

2.9 Domain

Field	Type	Key	Description
DomainId	Number(12)	primary key	This is the system-generated key for all domain records.
DomainName	Varchar2(67)	unique	This is the fully-qualified domain name for the domain.
RegistrarId	Number(9)	foreign key relationship	This is the id of the current registrar of the domain.
RegistrarTransferDate	Date		This is the date and time the domain was last transferred.
RegistrationPeriod	Number(2)		This is the domain's period of registration.
RegistrationExpirationDate	Date		This is the date and time the domain's registration will expire.

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Field	Type	Key	Description
StatusCode	Number(3)	foreign key relationship	The status code identifies the domain's current status.
ParentDomain	Varchar2(18)	foreign key relationship	This is the top-level domain name that is the domain's parent.
CreatedDate	Date		This is the date and time the domain record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the registrar that created the domain record.
UpdatedDate	Date		This is the date and time of the last update to the domain record.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the domain.

2.10 DomainAudit

Field	Type	Key	Description
TransactionId	Number(12)	primary key	This is the id of the transaction that resulted in the audit record being inserted.
DomainId	Number(12)	primary key	This is the id of the original domain record from the Domain table.
DomainName	Varchar2(67)		This is the fully-qualified domain name for the domain.
RegistrarId	Number(9)	foreign key relationship	This is the id of the domain's current registrar.
RegistrarTransferDate	Date		This is the date and time the domain was last transferred.
RegistrationPeriod	Number(2)		This is the domain's period of registration.
RegistrationExpirationDate	Date		This is the date and time the domain's registration will expire.
StatusCode	Number(3)	foreign key relationship	The status code identifies the domain's current status.
ParentDomain	Varchar2(18)	foreign key relationship	This is the top-level domain that is the domain's parent.

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Field	Type	Key	Description
CreatedDate	Date		This is the date and time the domain record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the registrar that created the domain record.
UpdatedDate	Date		This is the date and time of the last update to the domain record.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the domain.

2.11 DomainNameServerLink

Field	Type	Key	Description
DomainId	Number(12)	primary key	This is the id of the domain record that is linked to the name server record.
NameServerId	Number(9)	primary key	This is the id of the name server record that is linked to the domain record.
Sequence	Number(2)		This identifies the order in which the name server record will be listed in the DNS zone file for the domain.
CreatedDate	Date		This is the date and time the link record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the link record.

2.12 DomainNameServerLinkAudit

Field	Type	Key	Description
TransactionId	Number(12)	primary key	This is the id of the transaction that resulted in the audit record being inserted.
DomainId	Number(12)	primary key	This is the id of the original domain link from the DomainNameServerLink table.
NameServerId	Number(9)	primary key	This is the id of the original name server link from the DomainNameServerLink table.
Sequence	Number(2)		This identifies the order in which the name server record will be listed in the DNS zone for the domain.

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Field	Type	Key	Description
CreatedDate	Date		This is the date and time the link record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the link record.

2.13 DomainStatusDescription

Field	Type	Key	Description
StatusCode	Number(3)	primary key	This is the unique code for all domain status description records.
Description	Varchar2(25)		This describes the domain status.
ZoneInsertion	Char(1)		This determines whether domains in this status are inserted into the DNS zone file or not. If the value is 'Y', domains are inserted into the zone files. If the value is 'N,' domains in this status are not inserted into the zone files.

2.14 DomainStatusUserTypeLink

Field	Type	Key	Description
StatusCode	Number(3)	primary key	This is the status code of the domain status description record that is linked to the user type record.
UserType	Number(3)	primary key	This is the user type of the user type record that is linked to the domain status description record.
UserModifiable	Char(1)		This determines whether the user type is allowed to perform modifications to a domain that is in the domain status of the record. If the value is 'Y', the user type can modify domains in the domain status of the record.
UserSettable	Char(1)		This determines whether the user type is allowed to set a domain to the domain status of the record. If the value is 'Y', the user type can set a domain to the domain status of the record.

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2.15 InvalidIPRange

Field	Type	Key	Description
IPRange	Varchar2(15)	primary key	This is a range of IP addresses that are not valid for use by name servers.

2.16 Invoice

Field	Type	Key	Description
InvoiceId	Number(9)	primary key	This is the system-generated key for all invoice records.
ReistrarId	Number(9)	foreign key relationship	This is the id of the registrar with which the invoice is associated.
StatusCode	Number(3)		This is the current status of the invoice.
GrossAmountDue	Number(10,2)		This is the total of all line items that are associated with the invoice.
NetAmountDue	Number(10,2)		This is the current amount due for the invoice.
OriginalDueDate	Date		This is the original due date of the invoice.
DueDate	Date		This is the date the invoice is due for the next status change.
CreatedDate	Date		This is the date and time the invoice record was created.
CreatedBy	Number(9)		This is the id of the authorized user who created this invoice record.
UpdatedDate	Date		This is the date and time the invoice record was last updated.
UpdatedBy	Number(9)		This is the id of the authorized user who last updated the invoice record.

2.17 InvoiceLineItem

Field	Type	Key	Description
InvoiceId	Number(9)	primary key	This is the id of the invoice with which this line item is associated
InvoiceLineItemId	Number(9)	primary key	This is the unique identifier of the line item within the invoice with which it is associated.

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Field	Type	Key	Description
TransactionId	Number(12)	foreign key relationship	This is the id of the transaction that resulted in the invoice line item being inserted.
StatusCode	Number(3)		This is the status of the line item.
ProductId	Number(9)	foreign key relationship	This is the id of the product that is associated with the transaction that resulted in the invoice line item being inserted.
Units	Varchar2(2)		This is the unit type of the product associated with the line item.
PricePerUnit	Number(10,2)		This is the unit price for the product associated with the line item.
Quantity	Number(12,4)		This is the number of units of the product being billed.
GrossAmountDue	Number(10,2)		This is the total amount due for the line item.
NetAmountDue	Number(10,2)		This is the remaining amount due for the line item.
CreatedDate	Date		This is the date and time the invoice line item record was created.
CreatedBy	Number(9)		This is the id of the authorized user who created this invoice line item record.
UpdatedDate	Date		This is the date and time the invoice line item record was last updated.
UpdatedBy	Number(9)		This is the id of the authorized user who last updated the invoice line item record.

2.18 InvoiceStatusDescription

Field	Type	Key	Description
StatusCode	Number(3)	primary key	This is the unique identifier of the invoice status description.
Description	Varchar2(25)		This is the description of the invoice status.

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2.19 IPAddress

Field	Type	Key	Description
IPAddress	Varchar2(15)	primary key	This is the valid IP address that uniquely identifies the record.
CreatedDate	Date		This is the date and time the IP address record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the IP address record.

2.20 IPAddressAudit

Field	Type	Key	Description
TransactionId	Number(12)	primary key	This is the id of the transaction that resulted in the audit record being inserted.
IPAddress	Varchar2(15)	primary key	This is the IP address of the original record from the IPAddress table.
CreatedDate	Date		This is the date and time the IP address record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the IP address record.

2.21 NameServer

Field	Type	Key	Description
NameServerId	Number(9)	primary key	This is the system-generated key for all name server records.
ServerName	Varchar2(80)	unique	This is the fully-qualified host name of the name server.
RegistrarId	Number(9)	foreign key relationship	This is the id of the domain's current registrar.
RegistrarTransferDate	Date		This is the date and time the name server was last transferred.
ParentDomainId	Number(12)	foreign key relationship	This is the id of the name server's parent domain. If the name server is not in a TLD for which the registry is authoritative, this constraint does not apply to the record.

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Field	Type	Key	Description
CreatedDate	Date		This is the date and time the name server record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the name server record.
UpdatedDate	Date		This is the date and time the name server record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the name server record.

2.22 NameServerAudit

Field	Type	Key	Description
TransactionId	Number(12)	primary key	This is the id of the transaction that resulted in the audit record being inserted.
NameServerId	Number(9)	primary key	This is the id of the original name server record in the NameServer table.
ServerName	Varchar2(80)		This is the name server's fully-qualified host name.
RegistrarId	Number(9)	foreign key relationship	This is the id of the domain's current registrar.
RegistrarTransferDate	Date		This is the date and time the name server was last transferred.
ParentDomainId	Number(12)	foreign key relationship	This is the DomainId of the name server's parent domain. If the name server is not in a TLD for which the registry is authoritative, this constraint does not apply to the record.
CreatedDate	Date		This is the date and time the name server record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the name server record.
UpdatedDate	Date		This is the date and time the name server record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the name server record.

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2.23 NameServerIPAddressLink

Field	Type	Key	Description
NameServerId	Number(9)	primary key	This is the id of the name server that is linked to the IP address record.
IPAddress	Varchar2(15)	primary key	This is the IP address of the IP address record that is linked to the name server record.
Sequence	Number(2)		This identifies the order in which the IP address will be listed in the DNS zone file for the name server.
CreatedDate	Date		This is the date and time the link record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the link record.

2.24 NameServerIPAddressLinkAudit

Field	Type	Key	Description
TransactionId	Number(12)	primary key	This is the id of the transaction that resulted in the audit record being inserted.
NameServerId	Number(9)	primary key	This is the id of original name server that was linked in the NameServerIPAddressLink table.
IPAddress	Varchar2(15)	primary key	This is the IP address of the original IP address record that was linked in the NameServerIPAddressLink table.
Sequence	Number(2)		This identifies the order in which the IP address will be listed in the DNS zone file for the name server.
CreatedDate	Date		This is the date and time the link record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the link record.

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2.25 Operation

Field	Type	Key	Description
OperationId	Number(9)	primary key	This is the system-generated key for all operation records.
OperationName	Varchar2(30)	unique	This is the name that identifies the operation record for retrieval by the Business Rule Engine.

2.26 Period

Field	Type	Key	Description
ConfigurationParameter	Varchar2(30)	primary key	This is the unique name of the configuration parameter.
ParameterValue	Varchar2(30)		This is the value of the configuration parameter.

2.27 Privilege

Field	Type	Key	Description
OperationId	Number(9)	primary key	This is the id of the operation that is associated with the privilege record.
UserType	Number(3)	primary key	This is the user type that is associated with the privilege record.
UserStatus	Number(3)	primary key	This is the user status code associated with the privilege record.
ChannelId	Number(9)	primary key	This is the id of the channel that is associated with the privilege record.
Privilege	Varchar2(45)		This identifies the privilege for the combination of operation, user type, user status, and channel.
CreateDate	Date		This is the date and time the privilege record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the privilege record.
UpdateDate	Date		This is the date and time the privilege record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the privilege record.

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2.28 Product

Field	Type	Key	Description
ProductId	Number(9)	primary key	This is the system-generated key for all product records.
OperationId	Number(9)	unique	This is id of the operation that is associated with this product.
CreatedDate	Date		This is the date and time the product record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the product record.
UpdatedDate	Date		This is the date and time the product record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is id of the authorized user who last updated the product record.

2.29 ProductPrice

Field	Type	Key	Description
ProductId	Number(9)	primary key	This is the id of the product that is associated with the price record.
ProductPriceId	Number(9)	primary key	This is the unique id of the price within the product.
Quantity	Number(12,4)		This is the minimum number of units that can be purchased to receive the price per unit in this record.
Units	Varchar2(2)		This is the unit of issue for the product.
PricePerUnit	Number(10,2)		This is the price for this product price record.
PriceStartDate	Date		This is the date the product price will take effect.
PriceEndDate	Date		This is the date the product price will no longer be available.
CreatedDate	Date		This is the date and time the price record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the price record.

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2.30 Registrar

Field	Type	Key	Description
RegistrarId	Number(9)	primary key	This is the system-generated key for all registrars and registry users.
RegistrarName	Varchar2(50)	unique	This is the name of the registrar.
LogonName	Varchar2(20)	unique	This is the logon name the registrar uses to access the system.
LogonPassword	Varchar2(25)	unique	This is the logon password the registrar uses to access the system. The password will be stored in encrypted form.
AddressId	Number(9)	foreign key relationship	This is the id of the address in the Address table that is associated with the registrar.
SecurityPhrase	Varchar2(128)		This is a phrase that is used when a registrar forgets the logon password.
PhoneNumber	Varchar2(25)		This is the registrar's phone number.
FaxNumber	Varchar2(25)		This is the registrar's fax number.
LicenseExpirationDate	Date		This is the date the registrar's license agreement with the ICANN expires.
UserType	Number(3)	foreign key relationship	This is the user type for the registrar.
CreditLimit	Number(16,2)		This is the total amount that can be credited to the registrar.
AvailableCredit	Number(16,2)		This is the remaining amount that can be credited to the registrar.
StatusCode	Number(3)	foreign key relationship	This identifies the registrar's current status.
LatestInvoiceId	Number(9)	foreign key relationship	This identifies the open invoice to which transactions associated with the registrar are applied.
CreatedDate	Date		This is the date and time the registrar record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the registrar record.

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Field	Type	Key	Description
UpdatedDate	Date		This is the date and time the registrar record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the registrar.

2.31 RegistrarAudit

Field	Type	Key	Description
TransactionId	Number(12)	primary key	This is the id of the transaction that resulted in the audit record being inserted.
RegistrarId	Number(9)	primary key	This is id of the original registrar record from the Registrar table.
RegistrarName	Varchar2(50)	unique	This is the name of the registrar.
LogonName	Varchar2(20)	unique	This is the logon name the registrar uses to access the system.
LogonPassword	Varchar2(25)	unique	This is the logon password the registrar uses to access the system. The password will be stored in encrypted form.
AddressId	Number(9)	foreign key relationship	This is the id of the address in the Address table that is associated with the registrar.
SecurityPhrase	Varchar2(128)		This is a phrase that is used when a registrar forgets the logon password.
PhoneNumber	Varchar2(25)		This is the registrar's phone number.
FaxNumber	Varchar2(25)		This is the registrar's fax number.
LicenseExpirationDate	Date		This is the date the registrar's license agreement with the ICANN expires.
UserType	Number(3)	foreign key relationship	This is the user type for the registrar.
CreditLimit	Number(16,2)		This is the total amount that can be credited to the registrar.
AvailableCredit	Number(16,2)		This is the remaining amount that can be credited to the registrar.
StatusCode	Number(3)	foreign key relationship	This identifies the registrar's current status.

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Field	Type	Key	Description
LatestInvoiceId	Number(9)	foreign key relationship	This identifies the open invoice to which transactions associated with the registrar are applied.
CreatedDate	Date		This is the date and time the registrar record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the registrar record.
UpdatedDate	Date		This is the date and time the registrar record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the registrar.

2.32 RegistrarContact

Field	Type	Key	Description
ContactId	Number(9)	primary key	This is the system-generated key for all registrar contact records.
FirstName	Varchar2(25)		This is the contact's first name.
MiddleName	Varchar2(25)		This is the contact's middle name.
LastName	Varchar2(25)		This is the contact's last name.
PhoneNumber	Varchar2(25)		This is the contact's phone number.
FaxNumber	Varchar2(25)		This is the contact's fax number.
Email	Varchar2(80)		This is the contact's email address.
AddressId	Number(9)	foreign key relationship	This is the id of the address record that is associated with the contact.
CreatedDate	Date		This is the date and time the contact record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of authorized user who created the contact record.
UpdatedDate	Date		This is the date and time the contact record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the contact record.

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2.33 RegistrarContactAudit

Field	Type	Key	Description
TransactionId	Number(12)	primary key	This is the id of the transaction that resulted in the audit record being inserted.
ContactId	Number(9)	primary key	This is the id of the original registrar contact record from the RegistrarContact table.
FirstName	Varchar2(25)		This is the contact's first name.
MiddleName	Varchar2(25)		This is the contact's middle name.
LastName	Varchar2(25)		This is the contact's last name.
PhoneNumber	Varchar2(25)		This is the contact's phone number.
FaxNumber	Varchar2(25)		This is the contact's fax number.
Email	Varchar2(80)		This is the contact's email address.
AddressId	Number(9)	foreign key relationship	This is the id of the address record that is associated with the contact.
CreatedDate	Date		This is the date and time the contact record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of authorized user who created the contact record.
UpdatedDate	Date		This is the date and time the contact record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the contact record.

2.34 RegistrarContactLink

Field	Type	Key	Description
RegistrarId	Number(9)	primary key	This is id of the registrar record that is linked to the registrar contact record.
ContactId	Number(9)	primary key	This is id of the registrar contact record that is linked to the registrar record.
ContactType	Number(3)	primary key	This identifies the type of contact.
CreatedDate	Date		This is the date and time the link record was created.

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Field	Type	Key	Description
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the link record.

2.35 RegistrarContactLinkAudit

Field	Type	Key	Description
TransactionId	Number(12)	primary key	This is the id of the transaction that resulted in the audit record being inserted.
RegistrarId	Number(9)	primary key	This is id of the original registrar that was linked in the RegistrarContactLink table.
ContactId	Number(9)	primary key	This is id of the original registrar contact that was linked in the RegistrarContactLink table.
ContactType	Number(3)	primary key	This identifies the type of contact.
CreatedDate	Date		This is the date and time the link record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the link record.

2.36 RegistrarContactType

Field	Type	Key	Description
ContactType	Number(3)	primary key	This is the unique identifier for all contact type records.
Description	Varchar2(25)		This is the description for the types of registrar contacts.

2.37 RegistrarDailyOperationSummary

Field	Type	Key	Description
RegistrarId	Number(9)	primary key	This is the id of the registrar associated with the summary record.
OperationId	Number(9)	primary key	This is the id of the operation associated with the summary record.
OperationDate	Date	primary key	This is the date of the operation of the record performed by the registrar of the record.

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Field	Type	Key	Description
DailyCount	Number(9)		This is the daily count of the operation of the record performed by the registrar of the record.

2.38 RegistrarStatusDescription

Field	Type	Key	Description
StatusCode	Number(3)	primary key	This is the unique identifier of the registrar status description.
Description	Varchar2(25)		This is the description of the registrar status.
CanPlaceOrder	Char(1)		This identifies whether a registrar in the status of the record will be able to perform chargeable operations.

2.39 RegistrarWhoisReference

Field	Type	Key	Description
RegistrarId	Number(9)	primary key	This is the id of the registrar associated with the Whois reference.
WhoisReference	Varchar2(128)	primary key	This is the URL or host name of the Whois service.
URL	Char(1)		This identifies the reference as a URL or a host name. If the value is 'Y', the record identifies a URL.
CreatedDate	Date		This is the date and time the Whois reference record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user that created the Whois reference record.
UpdatedDate	Date		This is the date and time the Whois reference record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the Whois reference record.

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2.40 RegistrarWhoisReferenceAudit

Field	Type	Key	Description
TransactionId	Number(12)	primary key	This is the id of the transaction that resulted in the audit record being inserted.
RegistrarId	Number(9)	primary key	This is the id of the registrar associated with the original Whois reference record from the RegistrarWhoisReference table.
Reference	Varchar2(80)	primary key	This is the original URL or host name of the Whois reference from the RegistrarWhoisReference table.
URL	Char(1)		This identifies the reference as a URL or a host name. If the value is 'Y', the record identifies a URL.
CreatedDate	Date		This is the date and time the Whois reference record was created.
CreatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who created the Whois reference record.
UpdatedDate	Date		This is the date and time the Whois reference record was last updated.
UpdatedBy	Number(9)	foreign key relationship	This is the id of the authorized user who last updated the Whois reference record.

2.41 RegistrarYTDOperationSummary

Field	Type	Key	Description
RegistrarId	Number(9)	primary key	This is id of the registrar associated with the summary record.
OperationId	Number(9)	primary key	This is the id of the operation associated with the summary record.
SummaryId	Number(9)	primary key	This is the unique identifier within the summary record within the registrar operation.
YTDCount	Number(12)		This is the year-to-date count of the operation of the record performed by the registrar of the record.

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Field	Type	Key	Description
YTDStartDate	Date		This is the starting date of the operation of the record performed by the registrar of the record.
YTDEndDate	Date		This is the ending date of the operation of the record performed by the registrar of the record.

2.42 RegistrySession

Field	Type	Key	Description
SessionId	Number(12)	primary key	This is the system-generated key for all registry session records.
UserId	Number(9)		This is the id of the registry user or registrar that is associated with the session.
UserType	Number(3)		This is the type of user that the user identified by the UserId is.
LoginTime	Date		This is the date and time the session began.
LogoutTime	Date		This is the date and time the session ended.
ExitState	Number(3)		This is the state the session was in when the session ended.
ChannelId	Number(9)		This is the id of the channel from which the session was started.

2.43 RegistryUser

Field	Type	Key	Description
UserId	Number(9)	primary key	This is the system-generated key for all registry users and registrars.
FirstName	Varchar2(25)		This is the registry user's first name.
MiddleName	Varchar2(25)		This is the registry user's middle name.
LastName	Varchar2(25)		This is the registry user's last name.
PhoneNumber	Varchar2(25)		This is the registry user's phone.
FaxNumber	Varchar2(25)		This is the registry user's fax number.

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Field	Type	Key	Description
Email	Varchar2(80)		This is the registry user's email address.
LogonName	Varchar2(20)	unique	This is the logon name that the registry user uses to access the system.
LogonPassword	Varchar2(25)	unique	This is the logon password that the registry user uses to access the system. The password will be stored in encrypted form.
UserType	Number(3)		This is the user type of the registry user.
StatusCode	Number(3)		This is the current status of the registry user.
CreatedDate	Date		This is the date and time the user record was created.
CreatedBy	Number(9)		This is the id of authorized user who created the user record.
UpdatedDate	Date		This is the date and time the user record was last updated.
UpdatedBy	Number(9)		This is the id of the authorized user who last updated the user record.

2.44 RegistryUserStatusDescription

Field	Type	Key	Description
StatusCode	Number(3)	primary key	This is the unique identifier of the registry user status description.
Description	Varchar2(25)		This is the description of the registry user status.

2.45 TargetRuleLink

Field	Type	Key	Description
RuleId	Number(9)	primary key	This is the id of the business rule that is linked to the business target.
TargetId	Number(9)	primary key	This is the id of the business target that is linked to the business rule.
Sequence	Number(4)		This identifies the order the business rule will be executed on the business target.

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Field	Type	Key	Description
StartDate	Date		This identifies the date the business rule will take effect on the associated business target.
EndDate	Date		This identifies the date the business rule will no longer be associated with the business target.

2.46 Transaction

Field	Type	Key	Description
TransactionId	Number(12)	primary key	This is the system-generated key for all transaction records.
SessionId	Number(12)	foreign key relationship	This is the id of the registry session that executed the transaction.
OperationId	Number(9)	foreign key relationship	This is the id of the operation that defines what type of transaction occurred.
RegistrarId	Number(9)	foreign key relationship	This is the id of the registrar that was affected by the transaction.
TransactionDate	Date		This is the date and time the transaction occurred.

2.47 UserType

Field	Type	Key	Description
UserType	Number(3)		This is the unique identifier for all user type records.
Description	Varchar2(25)		This is the description of the user type.
AccessLevel	Number(3)		This is the access level for the user type.